

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	(determin\$3 WITH difference WITH between WITH first WITH morphological WITH image WITH second WITH morphological WITH image)	US-PGPUB; USPAT	OR	ON	2007/09/10 09:11
L2	18	(determin\$3 WITH first WITH morphological WITH image WITH second WITH morphological WITH image)	US-PGPUB; USPAT	OR	ON	2007/09/10 09:50
L3	1	("20050171409").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/10 09:50
S1	822	(382/131).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/06 17:09
S2	74	382/131.ccls. AND nodule AND medical AND image	US-PGPUB; USPAT	OR	ON	2007/02/13 15:45
S3	1	(nodule WITH medical WITH image) SAME (anatomical AND region AND filter\$ AND difference AND image AND second AND plurality AND nodule AND class\$)	US-PGPUB; USPAT	OR	ON	2007/02/13 15:53
S4	152	(anatomical AND region AND filter\$ AND difference AND image AND second AND plurality AND nodule AND class\$)	US-PGPUB; USPAT	OR	ON	2007/02/13 15:53
S9	2182	(382/128).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/02/14 09:51
S10	119	382/128.ccls. AND nodule AND medical AND image	US-PGPUB; USPAT	OR	ON	2007/03/01 14:37
S11	11	(nodule WITH medical WITH image) SAME (anatomical AND filter AND plural\$ nodule AND pixel)	US-PGPUB; USPAT	OR	ON	2007/03/01 14:11
S12	1	(nodule WITH medical WITH image) SAME (anatomical AND filter AND plural\$ nodule AND pixel AND false AND positive AND class\$)	US-PGPUB; USPAT	OR	ON	2007/02/14 10:47
S13	1	("6909797").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/14 10:50
S14	1	("20020141627").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/14 10:50
S15	1	(nodule WITH medical WITH image) SAME (remov\$ AND false AND positive AND second AND plural\$ AND nodule)	US-PGPUB; USPAT	OR	ON	2007/02/14 12:44

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S16	1	(nodule WITH medical WITH image) SAME (remov\$ AND false AND positive AND plural\$ AND nodule)	US-PGPUB; USPAT	OR	ON	2007/02/14 12:44
S17	1	(nodule WITH medical WITH image) SAME ( false AND positive AND plural\$ AND nodule)	US-PGPUB; USPAT	OR	ON	2007/02/14 12:44
S18	14	(nodule WITH medical WITH image) SAME (false AND positive AND nodule)	US-PGPUB; USPAT	OR	ON	2007/02/14 13:42
S19	1	"20020141627"	US-PGPUB; USPAT	OR	ON	2007/02/14 14:15
S20	1	("20030028401").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/14 14:15
S21	1	(nodule WITH medical WITH image) SAME (filter\$ AND match\$ AND ring-average AND subtract\$)	US-PGPUB; USPAT	OR	ON	2007/02/14 14:48
S22	1	(nodule WITH medical WITH image) SAME (filter\$ AND match\$ AND ring-average )	US-PGPUB; USPAT	OR	ON	2007/02/14 14:48
S23	1	(nodule WITH medical WITH image) SAME (filter\$ AND match\$ )	US-PGPUB; USPAT	OR	ON	2007/02/14 17:08
S24	1	("20020141627").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/14 17:09
S25	1	(nodule WITH medical WITH image) SAME (filter AND nodule-enhanced AND nodule-suppressed)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:33
S26	1	(nodule WITH medical WITH image) SAME (filter AND enhanced AND suppressed)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:33
S27	1	(nodule WITH medical WITH image) SAME (filter AND matched)	US-PGPUB; USPAT	OR	ON	2007/02/15 08:34
S28	1	nodule WITH medical WITH image WITH filter	US-PGPUB; USPAT	OR	ON	2007/02/15 08:35
S29	115	nodule WITH filter	US-PGPUB; USPAT	OR	ON	2007/02/15 08:35
S31	12	filter WITH (enhance\$ AND supress\$)	US-PGPUB; USPAT	OR	ON	2007/02/15 15:54
S32	1	"20020141627"	US-PGPUB; USPAT	OR	ON	2007/02/15 14:38
S33	40	"6240201"	US-PGPUB; USPAT	OR	ON	2007/02/15 14:38
S34	1	("6240201").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/15 14:38
S35	1	(filter WITH medical WITH image) SAME (enhance\$ AND suppress\$ AND subtract\$)	US-PGPUB; USPAT	OR	ON	2007/02/15 15:56

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S36	107	(filter WITH image) SAME (enhance\$ AND suppress\$ AND subtract\$)	US-PGPUB; USPAT	OR	ON	2007/02/15 15:56
S37	9	(filter WITH image WITH nodule) SAME (enhance\$ AND suppress\$ AND subtract\$)	US-PGPUB; USPAT	OR	ON	2007/02/15 15:57
S38	1	("20020141627").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/16 15:37
S39	1	("6240201").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/16 16:19
S40	1	("6141437").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/16 16:19
S41	1	("6240201").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/20 08:23
S42	1	("6141437").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/20 09:13
S43	1	("20020141627").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/20 09:13
S44	1	("6141437").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/20 12:39
S45	14	(nodule WITH medical WITH image) SAME (multi OR massive AND training AND artificial AND neural AND network)	US-PGPUB; USPAT	OR	ON	2007/02/20 12:59
S46	1	("6141437").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/20 13:09
S47	1	(nodule WITH medical WITH image) SAME (linear AND discriminant AND analysis)	US-PGPUB; USPAT	OR	ON	2007/02/20 13:11
S48	1103	pixel SAME (average AND full AND width AND half AND maximum)	US-PGPUB; USPAT	OR	ON	2007/02/20 13:30
S49	17	pixel SAME ( average AND full AND width AND half AND maximum AND tenth)	US-PGPUB; USPAT	OR	ON	2007/02/20 13:34
S50	1	(nodule WITH medical WITH image) SAME (linear AND discriminant AND analysis)	US-PGPUB; USPAT	OR	ON	2007/02/20 13:44
S51	10	( medical WITH image) SAME (linear AND discriminant AND analysis)	US-PGPUB; USPAT	OR	ON	2007/02/20 16:41
S52	1	"20020141627"	US-PGPUB; USPAT	OR	ON	2007/02/20 16:42
S53	1	("20020141627").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/21 11:33
S54	1	("6141437").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/21 11:59

## EAST Search History

S55	3	( medical WITH image) SAME (low AND dose AND computed AND tomographic AND image OR LDCT)	US-PGPUB; USPAT	OR	ON	2007/02/21 13:31
S56	0	(first WITH second WITH subregion WITH morphology) SAME (pixel AND value AND threshold)	US-PGPUB; USPAT	OR	ON	2007/02/21 13:54
S57	1	first WITH second WITH subregion WITH morphology	US-PGPUB; USPAT	OR	ON	2007/02/21 13:55
S58	12	morphological SAME subregion SAME first SAME second	US-PGPUB; USPAT	OR	ON	2007/02/21 13:58
S59	1	morphological SAME subregion SAME first SAME second SAME nodule	US-PGPUB; USPAT	OR	ON	2007/02/21 13:59
S60	1	(subregion WITH morphological) SAME (pixel AND threshold)	US-PGPUB; USPAT	OR	ON	2007/02/21 14:00
S61	0	(subregion WITH morphological) SAME (medical AND image)	US-PGPUB; USPAT	OR	ON	2007/02/21 14:02
S62	13	(subregion WITH morphological)	US-PGPUB; USPAT	OR	ON	2007/02/21 14:02
S63	1	subregion WITH morphological SAME nodule	US-PGPUB; USPAT	OR	ON	2007/02/21 14:03
S64	1	subregion SAME morphological SAME nodule	US-PGPUB; USPAT	OR	ON	2007/02/21 14:16
S65	0	(medical WITH image) SAME (morphological SAME subregion)	US-PGPUB; USPAT	OR	ON	2007/02/21 14:17
S66	1	morphological SAME subregion SAME nodule	US-PGPUB; USPAT	OR	ON	2007/02/21 14:17
S67	17	morphological SAME subregion	US-PGPUB; USPAT	OR	ON	2007/02/21 14:20
S68	212	medical WITH image SAME morpholog\$	US-PGPUB; USPAT	OR	ON	2007/02/21 14:22
S69	212	medical WITH image SAME morpholog\$	US-PGPUB; USPAT	OR	ON	2007/02/21 14:23
S70	15	medical SAME image SAME subregion	US-PGPUB; USPAT	OR	ON	2007/02/21 14:54
S71	1	("6754380").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/21 14:55
S72	1	("6141437").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/21 14:55
S73	1	("20030095696").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/21 14:56
S74	1	("20020141627").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/21 14:56
S75	1	("20040101181").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/21 14:57

## EAST Search History

S76	1	("20030028401").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/21 14:57
S77	1	(nodule WITH medical WITH image) SAME (anatomical AND filter AND plural\$ nodule AND pixel AND value AND FWHM OR FWTM)	US-PGPUB; USPAT	OR	ON	2007/03/01 14:12
S78	3	(nodule WITH medical WITH image) SAME (value AND pixel)	US-PGPUB; USPAT	OR	ON	2007/03/01 14:25
S79	1	nodule SAME pixel SAME interior SAME region SAME exterior	US-PGPUB; USPAT	OR	ON	2007/03/01 14:19
S80	83	nodule SAME pixel SAME region	US-PGPUB; USPAT	OR	ON	2007/03/01 14:19
S81	3	nodule SAME pixel SAME region SAME interior	US-PGPUB; USPAT	OR	ON	2007/03/01 14:20
S82	99	382/128.ccls. AND nodule AND medical AND image AND pixel AND value	US-PGPUB; USPAT	OR	ON	2007/03/01 15:12
S83	3	382/128.ccls. AND nodule AND medical AND image AND pixel AND value AND interior AND exterior	US-PGPUB; USPAT	OR	ON	2007/03/01 14:39
S84	56	nodule AND medical AND image AND pixel AND value AND interior AND exterior	US-PGPUB; USPAT	OR	ON	2007/03/01 14:48
S85	1	("20020141627").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/01 14:48
S86	6	(full ADJ width ADJ half ADJ maximum) SAME nodule	US-PGPUB; USPAT	OR	ON	2007/03/01 15:13
S87	5	(full ADJ width ADJ half ADJ maximum) SAME (nodule WITH pixel ADJ value)	US-PGPUB; USPAT	OR	ON	2007/03/01 15:53
S88	1	("6141437").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/01 16:23
S89	1	("20020172403").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/01 16:23
S90	54	determin\$3 WITH nodule WITH region\$	US-PGPUB; USPAT	OR	ON	2007/09/06 17:10
S91	1	(determin\$3 WITH nodule WITH region\$) AND (calculat\$3 WITH first WITH morphological WITH image WITH feature)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:12
S92	1	(determin\$3 WITH nodule WITH region\$) AND (calculat\$3 WITH morphological WITH image WITH feature)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:12
S93	15	(calculat\$3 WITH morphological WITH image WITH feature)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:12

## EAST Search History

S94	1	(calculat\$3 WITH first WITH morphological WITH image WITH feature)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:12
S95	0	(determin\$3 WITH nodule WITH region\$ WITH difference WITH between WITH morphological WITH image\$ WITH feautre)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:14
S96	13	(determin\$3 WITH nodule WITH region\$ WITH difference WITH between WITH morphological WITH imageWITH feautre)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:19
S97	13	(determin\$3 WITH nodule WITH region\$ WITH difference WITH between WITH first WITH second WITH morphological WITH imageWITH feautre)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:16
S98	386	382/308	US-PGPUB; USPAT	OR	ON	2007/09/06 17:19
S99	0	382/308.ccls. AND (determin\$3 WITH nodule WITH region\$ WITH difference WITH between WITH morphological WITH imageWITH feautre)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:19
S10 0	0	382/308.ccls. AND ( difference WITH between WITH morphological WITH image WITH feautre)	US-PGPUB; USPAT	OR	ON	2007/09/06 17:19
S10 1	0	382/308.ccls. AND (determin\$3 WITH nodule WITH region\$ )	US-PGPUB; USPAT	OR	ON	2007/09/06 17:20